

2001 Chevrolet S10 Pickup

2000-01 DRIVE AXLES 4WD Steering Knuckles

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MODEL IDENTIFICATION

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Series ⁽¹⁾	Model
"K"	4WD Pickup, Sierra, Silverado, Suburban, Tahoe, Yukon & AWD Escalade
"L"	AWD Astro & Safari
"T"	4WD Blazer, Envoy, Jimmy, Pickup, Sonoma, & AWD Bravada
(1) Vehicle series is fifth character of VIN.	

REMOVAL & INSTALLATION

STEERING KNUCKLE

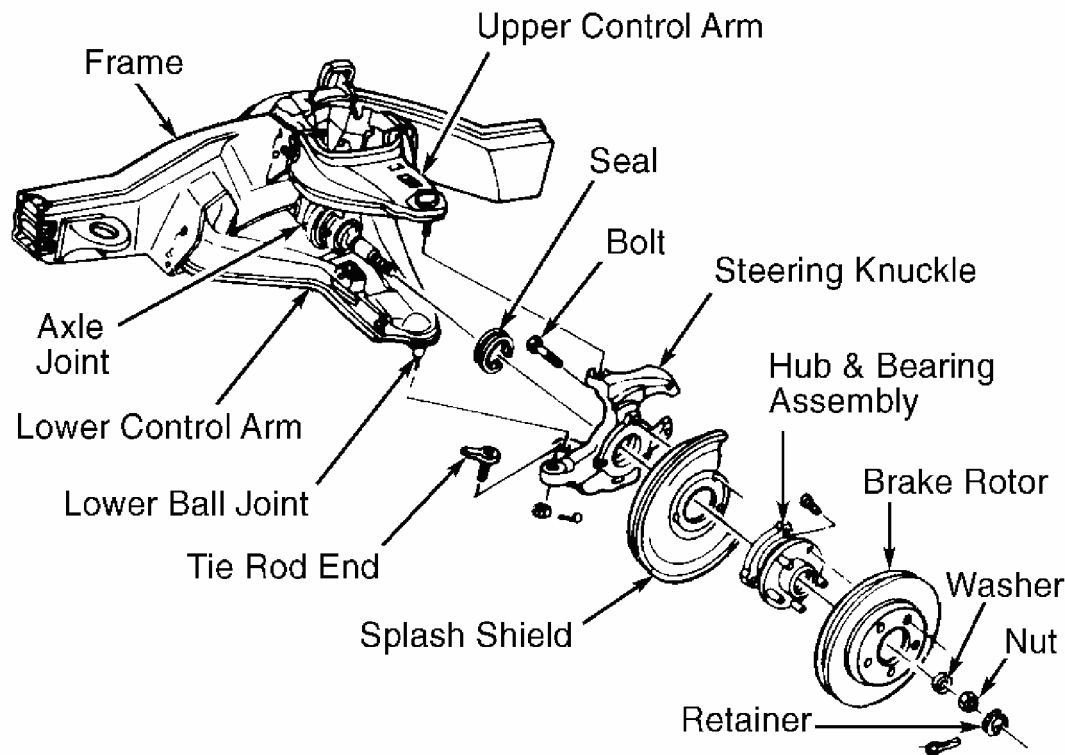
Removal

1. Raise and support vehicle. Remove wheel and tire assembly. Install Axle Shaft Boot Seal Protector (J-28712) on axle shaft boot to protect boot during repair. Detach and depress brake caliper piston, and wire aside. Remove brake rotor.
2. Remove cotter pin and retainer (if equipped) from axle shaft nut. Remove nut and washer from axle shaft. Remove cotter pin and tie rod end nut. Separate tie rod end from steering knuckle. See **Fig. 1** .
3. Attach puller to hub. Tighten pressure screw, and force axle shaft from hub and bearing assembly. Remove hub and bearing assembly from steering knuckle. Remove splash shield.

CAUTION: Support lower control arm with floor jack or jackstand to maintain tension on torsion bar.

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Fig. 1: Exploded View Of Hub & Steering Knuckle Assembly ("T" Series Shown; "K" & "L" Series Are Similar)

Courtesy of GENERAL MOTORS CORP.

4. Remove cotter pins from ball joint studs. On "T" Series, place Ball Joint Separator (J-23742) over upper or lower ball joint. See **Fig. 2** . Loosen ball joint nut. Back off until nut contacts ball joint separator. Continue backing off nut until nut forces ball stud out of steering knuckle.
5. On all other models, separate ball joint from steering knuckle using Ball Joint Separator (J-36607). On all models, remove steering knuckle from vehicle without damaging or moving axle shaft. Remove seal from steering knuckle.

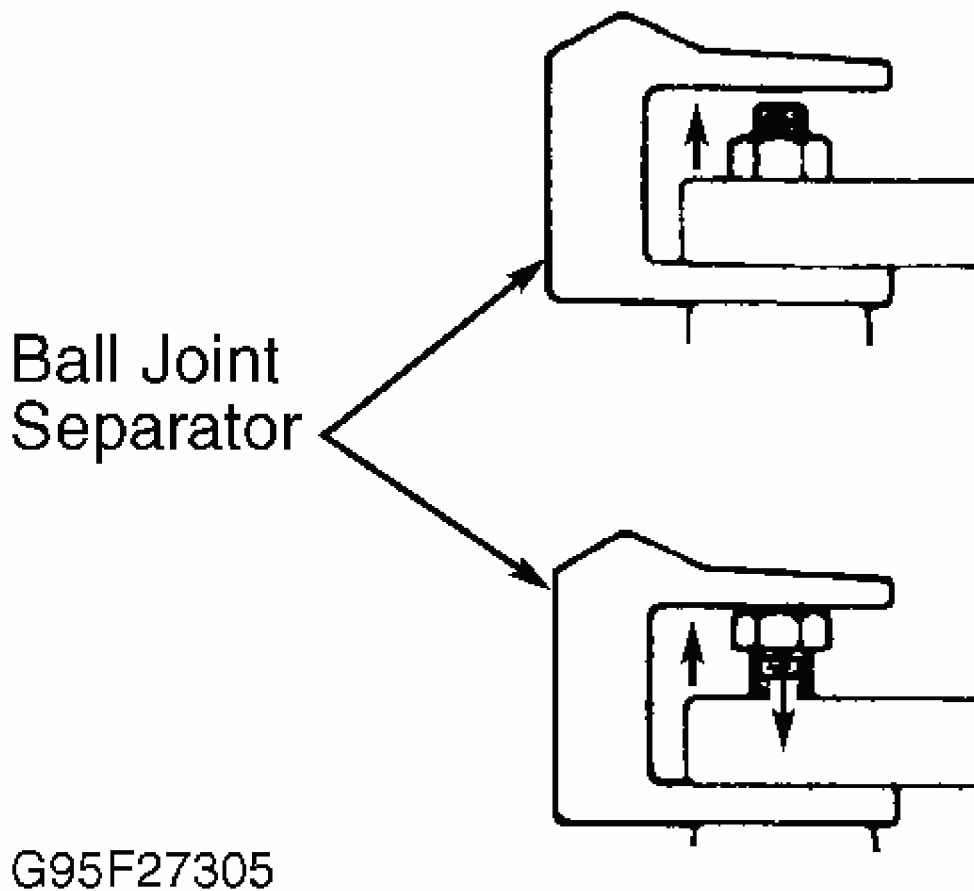


Fig. 2: Separating Ball Joint From Steering Knuckle ("T" Series)
Courtesy of GENERAL MOTORS CORP.

Installation

1. To install, reverse removal procedure. Install NEW seal into steering knuckle using Seal Installer (J-36605 for Astro and Safari, J-36606 for "K" Series and J-28574 for "T" Series).
2. On "T" Series, ensure spacer is installed on steering knuckle at upper ball joint stud hole. On all models, tighten bolts and nuts to specification. See **TORQUE SPECIFICATIONS** table. If necessary, tighten tie rod and ball joint nuts to align cotter key hole. DO NOT loosen nuts for alignment. Remove boot protector from axle shaft.

TORQUE SPECIFICATIONS

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TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Astro & Safari	
Axle Shaft Nut	147 (200)
Ball Joint Nut (Upper)	72 (98)
Ball Joint Nut (Lower)	94 (128)
Brake Caliper Bolt	37 (50)
Hub & Bearing Assembly Bolt	66 (90)
Splash Shield Bolt	10 (14)
Tie Rod End Nut	35 (47)
Wheel Lug Nut	103 (140)
"K" Series	
Axle Shaft Nut	155 (210)
Ball Joint Nut (Lower)	74 (100)
Ball Joint Nut (Upper)	37 (50)
Brake Caliper Bolt	80 (108)
Hub & Bearing Assembly Bolt	133 (180)
Splash Shield Bolt	19 (26)
Tie Rod End Nut	50 (68)
Wheel Lug Nut	
5 Stud	103 (140)
6 Stud	140 (190)
8 Stud	
Single Wheel	140 (190)
Dual Wheel	177 (240)
10 Stud	
Single Wheel	162 (220)
Dual Wheel	177 (240)
"T" Series	
Axle Shaft Nut	103 (140)
Ball Joint Nut	
Upper	61 (83)
Lower	80 (108)
Brake Caliper Bolt	37 (50)
Hub & Bearing Assembly Bolt	77 (105)
Tie Rod End Nut	39 (53)
Wheel Lug Nut	92 (125)